



# The GARzette

The Official Newsletter of the Gwinnett Amateur Radio Society  
November 2014 <http://www.gars.org/> Volume 23, Issue 11



## Aluminum Overcast Special Event



B-17 Alive and well at Briscoe Field

# Message from the President

A lot has gone on since we last talked! HamCram has brought us 20 new hams. That's 100% pass rate two times in a row. Special thanks to Ralph, KJ4CNC and John, WB4QDX for instructing the class all in one day. The new W5YI study materials contain enough slides and data to make a 3 or 4 day class out of it but our guys did a great job of "Cramming" it into the allotted time. We are looking forward to meeting the new hams on the air and at our meetings and events. About 7 of the HamCram attendees signed up at the Atlanta Maker Faire. You can be sure we will participate in that event next year.

As usual, the "Massive Home Brew Show & Tell" program was a great success during the October meeting. This tradition has brought many closet home-brewers out of the woodwork. (Some even into woodwork!) I think many of us have that unfinished project in storage that we procrastinate finishing. This event is the perfect incentive to break it out and complete it. Displayed were many very inventive ideas and solutions that can inspire all of us. Whether you displayed your simple hand-crafted project or a polished product that looks like it was manufactured, we all enjoy seeing the results. Wheels are already turning for next year I'm sure.

October has been a particularly busy month for GARS and I want to stop and recognize all of the folks who have worked so hard and put in long hours on all our projects. Those who stepped up to help with the 57<sup>th</sup> Jamboree on the Air (JOTA), the October Ham Cram, VE testing, the B-17 special events station, and especially the 2014 Stone Mountain Ham Fest. We put many feet on the ground for the Ham Fest this year. Probably more than we have ever done before.

I want to thank all of you who put an exemplary effort into the Stone Mountain Ham Fest.



This is my first time to be involved in the inner workings of a Ham Fest. Believe me it was a learning experience. Many hours go into the planning and execution of this kind of event. Schedules are continually getting moved around right up until show time. But the folks that really make it happen are the volunteers. Both from

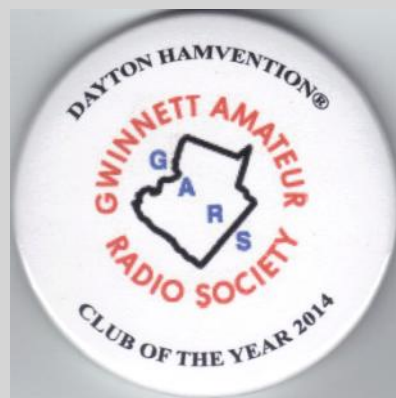
Stone Mountain and GARS, it is the volunteers' hours of service and labor that make this kind of event a success. As I have stated before, if you are contemplating getting more involved in the events GARS sponsors please step up. Don't be shy and don't think you don't have the experience. Step up; sign up for our next event. You will find it very personally rewarding and GARS will be strengthened by all your efforts

Thanks and 73s,

*Rick,* N4XYY

***"It is not the class of license the Amateur holds, but the Class of the Amateur that holds the license."***

[Author Unknown]



# GARS November Meeting

## "Celebrating Our Heros"

Salute to our GARS Veterans!

***Tuesday November 11, 2014***

**Meetings are held on the 2nd Tuesday of each month at 7pm.  
(except December)**

**at**

**Sports Aviation Complex - Hangar 1  
690 Airport Road  
Lawrenceville, GA 30045**

[Directions](#)

### **Check out the following:**

JOTA Review Pg 5  
Aluminum Overcast Pg 7  
Letter from ARRL Pg 8  
Moon Bounce Radio Pg 9  
Beginner's Corner Pg 11

### **GARS Communications**

2 Meter Repeater  
147.075(+) MHz  
82.5 PL Tone

APRS  
144.390 -- 1200 Baud  
W4GR

D-Star  
WD4STR  
145.060 + (1.4 MHz)  
440.550 + (5 MHz)

Main Repeater Site  
Oak Street,  
Lawrenceville

2 Meter Repeater  
147.255(+) MHz  
107.2 PL Tone

6 Meter Repeater  
53.110 (-1 MHz)  
No PL tone

70 Cm Repeaters  
444.525(+) MHz  
82.5 PL Tone  
442.100(+)  
100 PL Tone

Backup Repeater Site  
Lanier Mountain,  
Snellville

**Don't forget  
to support our  
advertisers at the  
back of the GARzette.**

The *GARzette* is the official monthly newsletter of the Gwinnett Amateur Radio Society, serving its members and other persons interested in the advancement of the Amateur Radio art.

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If possible, bring your articles to the monthly meeting in Microsoft Word or rich text (.rtf) or text or HTML format or by email to n4gyn@arrl.net. Artwork can be accepted in most any graphics format and can be submitted via email to the same address. Alternate means of submittal can be arranged when necessary.

In keeping with the Amateur Radio spirit, permission is hereby granted for the reproduction of The *GARzette* articles by other Amateur Radio club newsletters provided that proper credit is given to the individual author and *The GARzette*.

*The GARzette* is published each month with the assistance of Norm Schklar, WA4ZXV who prints copies for distribution at meetings, etc. and Dave Bruse, W4DTR, who distributes the news letter electronically.

Deadline for submissions is the 28th of each month for inclusion in the following month's issue.

For additional information view our Website at: <http://www.gars.org>

Newsletter Editor: Ray Bailey—N4GYN  
770-689-6620 or [editor@gars.org](mailto:editor@gars.org)





# Coming Soon



**HAMJAM is Saturday, November 8<sup>th</sup>!**

**Great Speakers—Raffle prizes**

For details go to <http://www.hamjam.info/>



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## **December Program:**

***Annual Gwinnett Amateur Radio Society***

***Christmas Party***

**Dec 5<sup>th</sup> 6:30**

**Great Food! Great Fun! Great Prizes! Special Recognitions**

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## **January 2015 Program:**

***Sounds In Your Shack***

***The Ins and Outs Of Audio***

**By Rick Cobb, N4YYY**

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## **January 2015 TechFest:**

**Presentation / Demonstration Registration is open!**

**TechFest is January 10, 2015**

Look for updates under the activities tab of the GARS web site.

There is no fee for setting up a demonstration.

We will reserve one table unless we hear otherwise.

For more information please send an email to [techfest@gars.org](mailto:techfest@gars.org)

**Please complete this form if you wish to participate in TechFest. [\(form\)](#)**

Thank you for your help in making this a great TechFest for 2015.



**We're excited about TechFest 2015.**

Where: Gwinnett Medical Resource Center, 665 Duluth Highway (GA120), Lawrenceville, GA 30046

Purchase Raffle Tickets on-line. You do not need to be present to win.

**Chili galore.** We'll have our annual **GARS Chili Cook-Off.**

[http://www.gars.org/w4gr/index.php?option=com\\_content&view=article&id=149:2015-techfest&catid=2:activities&Itemid=326](http://www.gars.org/w4gr/index.php?option=com_content&view=article&id=149:2015-techfest&catid=2:activities&Itemid=326)



# JOTA 2014 Review



Jamboree On The Air (JOTA) is not a contest. It is an opportunity for scouts throughout the world to talk to other scouts via amateur radio. It is also an opportunity for hams to introduce amateur radio to young people and perhaps involve them in a lifelong hobby. In that sense it is more rewarding than having a high score in any contest.

GARS has participated in JOTA the third full weekend in October for many years. Again this year we set up three stations (2 HF and 1 VHF/UHF) at the VFW post in Lawrenceville on October 18<sup>th</sup> and invited boy scouts, girl scouts and other scouting organizations to join us. 70 did and more than 30 of them earned the radio merit badge as well as talked to other JOTA stations around the world. One group made contact with their troop at a local scout camp where



They also cooked our lunch and invited us to come back whenever we need a place. I am happy to say that several took an interest in the radios.

We can't measure the success of the event by the number of contacts we made or by the number of hot dogs we served, but we can get an idea of how well we did by the number of scouts who talked to someone. We only had a QSO with a dozen stations, but each station had dozens of scouts who talked to our group and when there were no scouts at our station we talked to scouts at stations that had contacted us. By that measure we were indeed successful.

*Earl Whatley,* AF4FG



they spent the weekend and another talked to scouts in the Netherlands.

The VFW is a great site for JOTA and they were very generous in allowing us to use their facility.



(Continued on next page....)



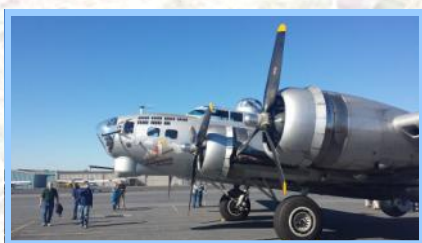
# JOTA 2014 Review (cont'd)





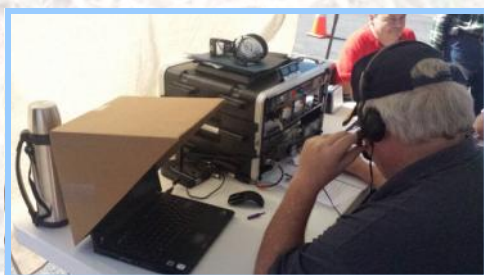
# Aluminum Overcast

If you tune in to the History Channel or the Military Channel for more than a day you're bound to see a story involving the allied B17 raids over Germany. This iconic plane was America's premier bomber during World War II and one of them visited Brisco Field from October 21<sup>st</sup> through the 26<sup>st</sup>. Built in 1945 this plane was restored to commemorate the original "Aluminum Overcast" which was shot down on its 34<sup>th</sup> mission in 1944. More than 12,000 B17s were manufactured and over 4700 were destroyed during the war. The "Aluminum Overcast" is one of only 13 such planes that are still air worthy.



Visitors were allowed to tour the aircraft and to see just how little space there was. Many flew for one of the 20 minute flights and those I spoke to said it was very loud and unlike any commercial flight. Of course it wasn't built for comfort and a ride helps you appreciate what those service men went through.

It was loud when the engines were started and the oil cloud was blinding. The brakes squealed constantly as the plane moved to the runway. There was quite a contrast between this bomber and the other planes that took off. It was slow compared to the jets and not much faster than the small private planes but you could sense its raw power and understand why this plane was so important to the war effort. What was hard to understand was how men could fit in such tight spaces for hours at a time and endure the hardships of those bombing raids.



The EAA hosted this visit and asked GARS to set up and operate special event station W4LZU on Saturday and Sunday. We didn't operate from inside the plane but there was a non-operating CW station at the radio operator's seat. We set up a few yards away from the spot where the plane was parked. More than 30 GARS members attended and we proudly made 140 contacts and related the story of the "Aluminum Overcast" to those we contacted. Conditions were good and in spite of the DX contest that weekend

many hams answered our CQ. If you didn't join us you I hope you had a chance to see the plane as it flew over Gwinnett. It was worth seeing.

*Earl Whatley,* AF4FG





# Letter from the ARRL



From: **Johnson, Debra K1DMJ** <[djohnson@arrl.org](mailto:djohnson@arrl.org)>  
Date: Mon, Oct 6, 2014 at 11:21 AM  
Subject: Financial support for Teachers Institute  
To: "[sid.weaver@gmail.com](mailto:sid.weaver@gmail.com)"

Hello Sid,

Lauren Clarke sent me a note telling me about the Gwinnett Amateur Radio Society's donation to support the Teachers Institute on Wireless Technology.

I want to thank you and your club members for your financial support for this important outreach effort to interest and train teachers to engage students with wireless technology, and the related subjects that can be taught with amateur radio as a hands-on sand box.

We did have one teacher from Georgia in the Teachers Institute this past summer, Nicole Ackerman, KK4ZIK, from Agnes Scott College, so I know you will feel especially good that you have helped to fund her training. We have included quite a few others from Georgia in past sessions. I assume the word is being spread about the Institute from those teachers.

We appreciate your flexible approach allowing your support to fund training for a Georgia teacher, or another if we happened not to have a suitable candidate from your state. We would appreciate your continuing support for the program! In fact I've been thinking about circulating an appeal suggesting that clubs might consider supporting a seat at the TI as a club fund raising objective-- what is your opinion of that idea?

73,  
Debra

Debra Johnson, K1DMJ  
Education Services Manager  
**ARRL, the national association for Amateur Radio®**  
225 Main Street  
Newington, CT 06111-1494



# Moon-bounce Amateur Radio

On Saturday - 18 October 2014 the International Brotherhood of Radio Operators (IBRO) Club, in South-Western Ohio had a field trip to visit a moon-bounce amateur radio station. The station was that of Mr. Gary Crabtree A.R.S. KB8RQ in Brookville, Ohio.

On approach to the KB8RQ station the 2 meter array can be seen from nearly a mile away. The array is comprised of 24 (twenty-four) hand made 2 meter multi element antennas. Gary (KB8RQ) built all of the antennas, as well as the rotating support(s) by hand. Gary's moon-bounce [station] is ranked highly in the International Moon-bounce community. His station has even been featured in QST magazine in the 1990's. I was surprised to learn that the forward gain of the 24 antenna array was just under 30 db. I would like to study [more] on this to know how that works. Each of the twenty-four antennas on the two meter array is high gain, having a minimum of 10 elements, each. The diameter of the track for the trucks is approximately 60 feet! Equally impressive is the 4 antenna array set up for six meters for Moon-bounce communications. Also, the six meter [antenna] is all hand made. Both arrays are engineering masterpieces.

In the photos of the 2 meter array you will see that the "drive mechanism" is made of two 1949 one ton truck frames & drive trains. Of course, [minus] gasoline motors. In one photo you can see the 1:1 high torque DC motor that Gary has fabricated to attach to the differential of one of the truck drive trains, to "steer" the array.



ray. All of this drive system, and the elevation rotation systems

are coupled to a computer program which "tracks" the position of the moon, automatically. Gary had a large part of the design and writing of the computer program. IBRO is especially grateful to Gary Crabtree for having us over to visit his most outstanding moon-bounce station.

Gary assured us that one doesn't need this elaborate of a set up to effectively bounce amateur radio signals off the moon. A simpler set up of 2 multi element antennas and a good set of directional and elevation rotors can get the job accomplished. Mr. Crabtree was very kind and "easy to talk with" as one of the "good guys" and we are very glad we got to experience a full fledged Moon-bounce station.

What a pleasant adventure we had !

*Jimmie Keyes*—N8NSN

Also see: [http://en.wikipedia.org/wiki/Earth-Moon-Earth\\_communication](http://en.wikipedia.org/wiki/Earth-Moon-Earth_communication)



Personally, it was the most amazing antenna and Moon-bounce communications station I have ever seen.





## Story from Stone Mt. Hamfest

I want to let you know of a very nice little story from the Stone Mountain Hamfest this weekend. A bunch of us were operating the back gate ticket area on Friday when we were approached by a young lady who had lost her husband a few months before. He was a ham and she said that there was a bunch of equipment and "stuff" that she would like to dispose of and wondered if we could use it. She said she didn't mind if we gave it away. She just wanted it gone. We referred her to the GARS club table and I discovered later that Bill Cherepy, WB4WTN worked with the young woman and arranged for GARS to handle the sale of her silent key gear.

Bill talked to Rich Arland, W7SZ, who said he would be happy to add this stuff to his table. David, KA4KKF and a few other guys (don't know who all) went over to the lady's home and helped her gather up the equipment and take it to Rich's table to offer for sale. When I left Saturday afternoon Bill had sold over seven hundred dollars in equipment so far and would probably do more.

This is not my story but it is Bill and Rich and David's story. I just thought it would be a great little piece for the Garzette, first because it is very warm and nice, but second because all of our club members should know that the club can help their family out after they go silent.

*Sid*, N4NQ





# Beginner's Corner

When I began this column, I thought there were just so many columns I could write, but I keep discovering items that might be of interest to new hams.

I recently received a Baofeng UV-5R as a birthday gift and have been recording my impressions of it.

Programming the radio. I downloaded the CHIRP software from the link on the miklor.com site. I have a detachable hard drive, and I loaded it there. Most of you will want to load it to your C: Drive. I chose the Program Files Folder and created a folder for the Baofeng. When you open the program after loading it, you will have to create a new file. Simply go to the File in the upper left hand corner and click on New. The program will ask you what you want to name it. I named my file "Lilburn" with a date after it. I live in Lilburn, and the date lets me know what date I created it. If I find a new frequency, I will add it to my "Lilburn" file with a new date.

Now, if I go to another location, I can add frequencies from that area to my "Lilburn" file with a new name and the current date, if desired. You can download any file you create into your radio, and download another one later. This works for most HTs.

The main files you need to worry about when entering frequencies are **Frequency, Name, Tone Mode, Tone, Duplex**, and Offset. If I am loading the VHF National Calling Frequency, I click on the Frequency field of whatever channel I select. I write the name in the Name Field. (I chose Calling as the name.) I left all other fields blank.

Now, if I want to program the GARS Lawrenceville VHF repeater, I type 147.075 into the Frequency field of the channel I selected. In the Name Field, I chose W4GR. In the Tone Mode field, I selected Tone. Enter 82.5 into the Tone field. Check the Duplex field. It should be set to "+", and the Offset should be set to 0.6000 MHz. the program is intuitive, and will usually choose the correct offset and offset frequency, but you always want to check to ensure they are correct.

Well, this is a work of love. You can enter up to 128 different frequencies. This will be a time consuming operation. It might good be a good idea to ask a fellow Baofeng owner if he or she will either clone their radio to yours or send you their CHIRP list.

When you get down to Channel 25, it seems like you can't enter any more channels. Go to the top of the program window and look for Memory Range. I set mine for 200, but it looks like this radio will handle more than that. It took me about an hour and a half to manually enter all the frequencies I could find, both repeater and simplex frequencies. Now, to download my file into the radio.

Here are some of the problems I encountered:

1. I thought my radio was frozen after W5RQR downloaded a file to my radio. There is a "Lock" button on the lower right hand of the radio front. It was in the locked position. That may have been part of the problem. According to Phil, the radio sometimes goes to the locked position, even if you don't want it to.
2. I have Windows Vista as my operating system. Phil helped me reconcile the Com ports. I was also able to reconcile the Com ports for my old Kenwood HT, as well. Now I can program that HT on my Vista computer, too.
3. I had a bad cable that hooks my computer to the radio. The cable I had was a rip-off of the original Prolific cable. When you order one, MAKE SURE you get a Prolific cable or one you know will work.

73,

*David Harden,* KJ4CMY



# GARS Membership Page

## New GARS Members in September

JAMES BARLOW (KE9ZD)

MARK KOENIG (KM4AJE)

ANDRE STEYN (KM4CVT)

**New Members: 3**

**Total Members as of September 1, 2014  
- 284-**

Join us for our weekly breakfast gathering at  
7:30 AM most Saturdays at:

**Golden Corral**  
2155 Riverside Parkway  
Lawrenceville, GA 30043  
([Directions](#))

Also, before our Tuesday meeting you are invited to join  
other GARS members and guests dining at:

**The Flying Machine (starting about 5:30 PM)**  
510 Briscoe Blvd. NE  
Lawrenceville, GA

**The following members are  
celebrating birthdays  
in November:**

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**HAPPY BIRTHDAY!!**  
**From All of Us at GARS**

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**John Bachtel (NR4JB)**  
**Julia Collier**  
**Lasburne Colquhoun (KK4IQG)**  
**Devin Day (KK4VBS)**  
**William Douglas (WB4WHD)**  
**Puddin Garrison (KJ4QIB)**  
**Eddie Geike (AK4WM)**  
**Omar Herrera (KB2FYS)**  
**John Kludt (K4SQC)**  
**Karen Kregel (KC6JCX)**  
**Allison Lynch (KZ3JFY)**  
**Louis Manglass Jr (NY4F)**  
**Norbert Nikley (N0NCQ)**  
**Donald Ruane (KK4JJP)**  
**Nancy Sanctuary (KD4MZI)**  
**Jack Shipley (W4UVQ)**  
**Andre Steyn (KM4CVT)**  
**Robert Stranyak (KK4KIL)**  
**James Webb (W4NTA)**  
**Nova Whatley (KF4HLG)**  
**Karen Whited (KJ4VQI)**  
**Lori Zastrow (KK4FNP)**

## **GARS MEMBERSHIP**

Your current GARS membership status is shown in the monthly newsletter email towards the bottom .

To become a GARS member, or to renew your GARS membership, please visit our website—<http://www.gars.org>

To make changes to your GARS membership (moved, new email address, new phone number, etc.),  
please email the Membership Committee - [membership@gars.org](mailto:membership@gars.org)

You can **renew or update** your Amateur Radio license information with the FCC at their website for free  
<http://wireless.fcc.gov/uls/index.htm?job=home>

To update your ARRL information, please visit their website - <http://www.arrl.org>

**Membership Chairman:** Karen Albritton, KI4HPP  
Committee Members: Richard Atkin, KJ4ZTY.



# Net Managers Corner

Hello again everyone, from N4LNE, GARS Net Manager.

## GARS NEEDS YOUR HELP

**GARS is a great Amateur Radio service club** and we have the membership and awards to prove it. Our club is a very busy and active club and we use the Monday night net to get the information out to our members. We need weekly participation to make our net function and to keep them interesting. We have a very small group of very dedicated people that make the net happen each week but we need more help.

Out of over 286 members we have **only eight primary people** that run the net every Monday Night. In no particular order they are:

Norm - WA4ZXV	Mitch - N0DIM
Hal - W4IGE	Don - KK4VLO
Ray - N4GYN	
Sandy - KJ4DRO	
John - WB4QDX	
Bill - KK4AUA	

I need 40 people to fill NCS and ANCS positions. The schedule is planned and posted months in advance and is flexible. If your plans change we can and do make adjustments to make it work, and I make those changes happen as soon as I am notified of a problem. I also send out reminders each week to let you know you are scheduled for the next Monday night net. In short we make it simple. All you need to do is show up, read the script, take a few notes and forward the information to me for record keeping.

Please lend a hand and contact me at the monthly GARS meeting or by sending me a message via the [Mentors & Elmers](#) page on the web site at [www.gars.org](http://www.gars.org). Signup to help support the effort that makes GARS the great club that it is.

73' See you on the Nets!

*Phil McCleary,* N4LNE

Net Manager



**Don't miss the "KNOW IT ALL" Net  
Wednesday nights, 8:30-9:30 pm**



We have moved to a new format. We begin with current events and announcements. Then we Introduce New Technology. Then we have check-ins and general discussion. Post net is Rag Chew format.

*Jeff*—AB4HF

*Everyone is having great fun on this net! Come join us and become a "KNOW IT ALL".*

**TIME: 8:30 every Wednesday evening on the GARS repeater - 2m 147.075 +, PL 82.5  
6m 53.110 - No Tone  
70cm 442.100 + PL 100.0**

## ARRL CONTESTING INFO

( All names of contests are Links in .pdf version)

### NOVEMBER

- 1-3 [Nov. Sweepstakes – CW](#)  
8-9 [EME - 50 to 1296 MHz](#)  
15-17 [Nov. Sweepstakes – Phone](#)

### DECEMBER

- 5-7 [160 Meter](#)  
6-7 [EME - 50 to 1296 MHz](#)  
13-14 [10 Meter](#)  
21 [Rookie Roundup–CW](#)

### JANUARY

- 1 *Straight Key Night*: 0000 UTC - 2359 UTC January 1  
3-4 *RTTY Roundup*: First full weekend of January, but never on January 1, 1800 UTC Saturday through 2359 UTC Sunday.  
24-25 *January VHF Sweepstakes*: The third or fourth weekend in January. See the [current rules](#) for this year's exact date. 1900 UTC Saturday through 0359 UTC Monday.

### FEBRUARY

- 21-22 *International DX Contest - CW*: Third full weekend in February, 0000 UTC Saturday through 2359 UTC Sunday.

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#### .....Nov. Sweepstakes—CW

**Objective:** For stations in the United States and Canada (including territories and possessions) to exchange QSO information with as many other US and Canadian stations as possible on 160, 80, 40, 20, 15 and 10 meter bands.

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#### .....EME—50 to 1296 MHz

**Objective:** To work as many amateur stations as possible via the earth-moon-earth path on any authorized amateur frequency above 50 MHz.

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#### .....Nov. Sweepstakes—Phone

**Objective:** For stations in the United States and Canada (including territories and possessions) to exchange QSO information with as many other US and Canadian stations as possible on 160, 80, 40, 20, 15 and 10 meter bands.

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#### .....160 Meter

**Objective:** For Amateurs worldwide to exchange information with W/VE amateurs on 160-meter CW. DX-to-DX QSOs do not count for contest credit. Stations located in overseas and non-contiguous U.S. Territories may be worked by DX stations. This includes Alaska KL7, the Caribbean US possessions KP1-KP5, and all of the Pacific Ocean territories KH0-KH9, including Hawaii KH6. These stations can work BOTH domestic stations (US and VE) as well as DX stations around the world.

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#### .....10 Meter

**Objective:** For Amateurs worldwide to exchange QSO information with as many stations as possible on the 10 meter band.



## HAMFEST CALENDAR

### Southeast US

#### 11/01/2014 | [Georgia State Convention \(Stone Mountain Hamfest\)](#)

**Location:** Lawrenceville, GA  
**Type:** ARRL Convention  
**Sponsor:** Alford Memorial Radio Club  
**Website:** <http://stonemountainhamfest.com>

#### 11/08/2014 | [Alabama State Convention \(Montgomery Hamfest 2014\)](#)

**Location:** Montgomery, AL  
**Type:** ARRL Convention  
**Sponsor:** Montgomery Amateur Radio Club  
**Website:** <http://hamfest.w4ap.org/>

#### 11/08/2014 | [BEACHFEST 2014](#)

**Location:** Conway, SC  
**Type:** ARRL Hamfest  
**Sponsor:** Grand Strand Amateur Radio Club  
**Website:** <http://www.w4gs.org>

#### 01/03/2015 | [Freezefest](#)

**Location:** Locust Fork, AL  
**Type:** ARRL Hamfest  
**Sponsor:** Blount County Amateur Radio Club  
**Website:** <http://www.freezefest.com>

#### 01/10/2015 | [Techfest 2015](#)

**Location:** Lawrenceville, GA  
**Type:** ARRL Convention  
**Sponsor:** Gwinnett Amateur Radio Society  
**Website:** <http://www.gars.org>

#### 01/10/2015 | [Greenwood Hamfest](#)

**Location:** Greenwood, SC  
**Type:** ARRL Hamfest  
**Sponsor:** Greenwood Amateur Radio Society  
**Website:** <http://w4gwd.org>



## BSA Venture Crew 73 Wants You!

IF YOU are between 14 and 21 years old, enjoy outdoor activities, and have an interest in radio technology, **Venture Crew 73 is for you.**

- Venture Crews are part of the Boy Scouts of America.
- *Venture crew 73 is chartered by the Gwinnett Amateur Radio Society.*
- Venture crew 73 is coed.
- *Meetings are on the second Tuesday of the month, 7:00 pm, at EAA 690 Hangar at:  
Briscoe Field - Sports Aviation Complex  
Hangar 1, 690 Airport Road  
Lawrenceville, GA 30045*
- Crew 73 is a youth-run organization, which means that our Crew President and other youth plan the Crew's outings and activities each month.

*We enjoy:*

- ◇ *Camping*
- ◇ *Hiking*
- ◇ *Horseback Riding*
- ◇ *Shooting Sports*

- Crew activities usually mix high adventure and the use of Amateur Radio.
- For more information, attend our next meeting or contact:

**Steve Back, WB2OGY**

Venture Crew 73 Committee Chairman

Phone: 770-712-9069

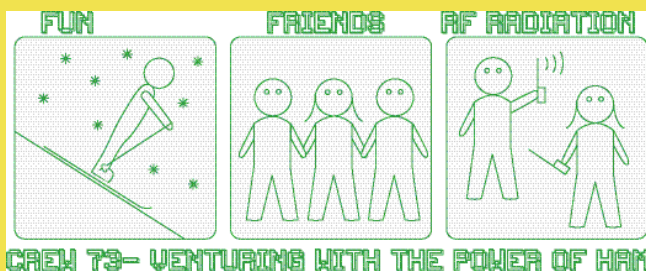
Email: [committeechair@venturecrew73.org](mailto:committeechair@venturecrew73.org)

**Jeff Lee, AF4JL**


















Venture Crew 73 Advisor

Phone: 678-475-3165




Email: [advisor@venturecrew73.org](mailto:advisor@venturecrew73.org)



## G A R S Officers and Committee Chairs

Rick Cobb, President	N4XYY	
Mike Weathers, Vice President	ND4V	
Allison Lynch, Secretary	KZ3JFY	
Sid Weaver, Treasurer	N4NQ	
Mike Smith, Program Manager	KK4KHS	
Karen Albritton Membership Chairman	KI4HPP	
Dave Bruse, Ham Exam Team Leader	W4DTR	
David Adcock, Webmaster, Field Day Chairman	KA4KKF	
Dorothy Jubon, Public Information Officer	N2DLJ	
Ralph Pickwick TechFest Chair, Apparel Mgr	KJ4CNC	
Ray Bailey, GARzette Editor	N4GYN	
Jeff Cutchins Multimedia Chairman	AB4HF	
John Ackermann, W4GR Trustee	N8UR	
Eddie Foust, Repeater Chairman	WD4JEM	
Mike Weathers, WAS-Checker, Historian	ND4V	
Phil McCleary, Net Manager, ELMER Chair	N4LNE	
Mike Swiderski, Technical Advisor	K4HBI	

### DIRECTORS

Kyle Albritton	W4KDA	
David Adcock	KA4KKF	
Norm Schklar	WA4ZXV	

**How many read the GARzette?**

Recently I asked several members of GARS if they had read A Reunion via "Remote Hams" in the May issue, and none of them had seen the article. I'm looking for feedback re: how many folks are able to find time to read the GARzette. Ray, N4GYN-Editor

**From QRZ.com**

QRZ Anniversary Sweepstakes Grand Prize Winner! The moment we've all been waiting for in the QRZ Anniversary Sweepstakes has finally come! Today, [Dec. 1] we're pleased to announce a randomly chosen winner from a pool of almost 400,000 entries, who [made entries to] receive the Kenwood TS-990S. That winner is, **David M. Williams, K4DXY**, from Birmingham, Alabama! When the QRZ staff called David this evening to tell him that he'd won, he told us that he hadn't been feeling well and that our call had woken him from a nap. It only took a minute or two to convince David that he wasn't dreaming and that he was in fact the winner of this awesome prize! We sure hope that this prize will help you to feel better in a hurry, David.

The staff here at QRZ wanted to take a moment to recognize the generosity of Bob Patton, W4PG, who donated this grand prize. We also want to thank the folks at [Gigaparts](#) who sponsored weekly prizes in the contest, as did [HamShirts.com](#) and [NI4L Antennas and Electronics](#).

**GARS Recurring Calendar**

- ◆ Monthly club meeting is the 2<sup>nd</sup> Tuesday of the month at 7 pm
- ◆ Every Monday at 8 pm: GARS Want, Swap, Sell, and Information Net on the GARS 2-meter repeater
- ◆ Every Wednesday at 8:30 pm: GARS Know It All Net on the GARS 2-meter repeater
- ◆ Every Saturday at 7:30 am: GARS Weekly Family Breakfast, Golden Corral Restaurant, Riverside Drive, Lawrenceville

- ◆ Rick, N4XYY started the meeting at 7:00 p.m.
- ◆ First time visitors and attendees were announced.
- ◆ We had a fabulous sixth annual Homebrew Show & Tell program.
- ◆ Steve, WB2OGY announced that he is looking for youth (14-21 year old boys and girls), and adults to come help out this weekend, Oct. 18<sup>th</sup>, at the 57<sup>th</sup> Jamboree on the Air at the VFW Post 5255 in Lawrenceville.
- ◆ The Treasurer's report was given by Sid, N4NQ. It was voted and approved.
- ◆ The membership report was given by Karen, KI4HPP: GARS has 287 members.
- ◆ Mike, KK4KHS announced that there is a link to sign up for the Christmas party on [www.gars.org](http://www.gars.org).
- ◆ A sign-up sheet for Hamfest volunteers was passed around. Tickets were available for early purchase.
- ◆ Norm, WA4ZXV announced that the Maker Faire was a success. GARS won a ribbon for the best display.
- ◆ There is a technician hamcram on Oct. 25<sup>th</sup>. The class is full.
- ◆ There were drawings and prizes awarded.
- ◆ There were 65 attendees present.
- ◆ The meeting adjourned at 9:20 p.m.

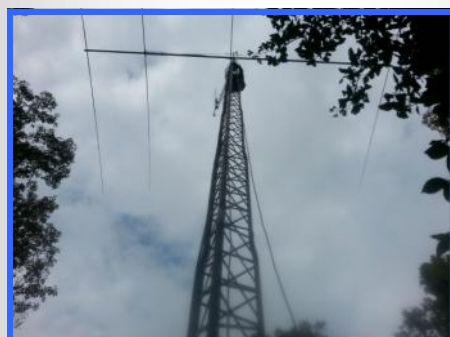
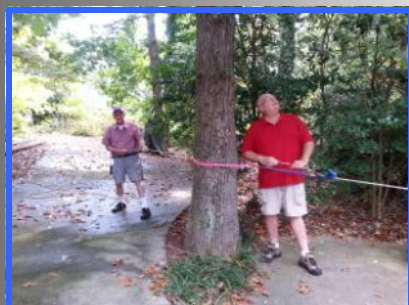
*Allison Lynch*, KZ3JFY, Secretary

It's all about  
HAM RADIO



## Hams Helping Hams

Pictures of Eddie WD4JEM (and crew) helping Carter K4CB replace his rotator.



### GARS CALENDAR OF EVENTS FOR NOVEMBER 2014

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
						1 <a href="#">STONE MOUNTAIN HAMFEST</a>
2 <a href="#">STONE MOUNTAIN HAMFEST</a>	3 8:00 - 8:30 pm GARS 2m Net	4 6:30 - 8:00 pm <b>GARS Exec Meeting</b>	5 8:30 - 9:30 pm GARS Know-It-All Net	6	7	8 7:30 - 9:30 am Breakfast at Golden Corral Riverside Drive
9 2:00 pm - 5:00 pm GARS Ham Radio License Exam Session	10 8:00 - 8:30 pm GARS 2m Net	11 5:00 - 6:30 PM <b>Dinner at Flying Machine</b> 7:00 - 9:00pm <b>GARS Meeting</b>	12 8:30 - 9:30 pm GARS Know-It-All Net	13	14	15 <b>HRO Manufacturers Day</b> 10 am - 3 pm
16	17 8:00 - 8:30 pm GARS 2m Net	18	19 8:30 - 9:30 pm GARS Know-It-All Net	20	21	22 7:30 - 9:30 am Breakfast at Golden Corral Riverside Drive
23	24 8:00 - 8:30 pm GARS 2m Net	25	26 8:30 - 9:30 pm GARS Know-It-All Net	27 <a href="#">THANKS-GIVING DAY</a>	28	29 7:30 - 9:30 am Breakfast at Golden Corral Riverside Drive

## Metro Testing Sessions

*GARS publishes Metro Atlanta VE exam schedules as a service and is not responsible for errors or changes. Call and confirm schedules before going. All sessions are walk-in. Take copies of current license and certificate of completed elements with you to all sessions. Find additional sessions online at <http://www.arrl-ga.org>.*

### First Sunday, ODD Months

2 pm (Jan, Mar, May, Jul, Sep, & Nov)  
VEC: WCARS  
Braselton Public Utility Building  
4986 Highway 53, Braselton, GA  
Roger Gibson, WB4T  
(770) 271-4210 or (770) 712-9560  
[w4rlg@bellsouth.net](mailto:w4rlg@bellsouth.net)

### First Sunday, EVEN Months

2 pm (Feb, Apr, Jun, Aug, Oct, Dec)  
VEC: WCARS  
Hall County EOC  
470 Crescent Dr. Gainesville, Ga.  
Perry Roper, KO4RD  
(770) 536-3056

### Second Saturday of Each Month

10:00 AM  
Alpharetta North Park, Adult Activities Center  
13450 Cogburn Rd, Alpharetta, GA 30004  
Ian Kahn, KM4IK  
E-mail: [km4ik.ian@gmail.com](mailto:km4ik.ian@gmail.com)

### Second Saturday, ODD Months

VEC: ARRL  
8:30 a.m.  
GMC Community Ctr  
5325 Leon St.  
Stone Mountain, GA  
Frank Haynes, KV4SP  
(678) 467-3712

### Second Sunday

VEC: W5YI  
2 pm  
Gwinnett County Fire Station #5  
3001 Old Norcross Road  
Duluth, GA 30096  
Contact: Dave Bruse, W4DTR  
Email: [exams@gars.org](mailto:exams@gars.org)

### Third Saturday

VEC: W5YI  
2 pm (Except December)  
Lifeway Church  
1654 Atlanta Highway #109  
Steve Donellan, N5SMD  
(404) 520-0368  
Email: [n5smd@comcast.net](mailto:n5smd@comcast.net)

(cont. next column)

## Ham Exam Results

### We had an excellent exam session at HAMCRAM Saturday 10/25/14.

19 out of 19 applicants passed.  
Way to go John and Ralph  
(our excellent class instructors)!!!

#### Ham exam session results:

- 19 new Technicians

Thanks to the VE's who made this exam session possible:

- Dave Bruse, W4DTR (CVE)
- Bill Cherepy, WB4WTN
- Frank Haynes, KV4SP
- John Davis, WB4QDX
- Mark Fehlig, WA6NGC (Co-CVE)
- Mike Weathers, ND4V
- Ralph Pickwick, KJ4CNC
- Rick Cobb, N4XYY

Thanks & 73,

*Dave Bruse*, W4DTR

Email: [exams@gars.org](mailto:exams@gars.org)

GARS VE Website:

[http://groups.yahoo.com/group/GARS\\_VE\\_Team/](http://groups.yahoo.com/group/GARS_VE_Team/)



### Fourth Tuesday

ARRL VEC  
7 pm @ United Way Service Center  
6279 Fairburn Rd., Douglasville  
Jessie Clower, KB4WFK  
(770) 942-6466

### Fourth Sunday

2:30 pm Georgia Tech  
VanLeer Elec. Building  
Rm. W218, 777 Atlantic Dr.  
See [www.w4aql.com](http://www.w4aql.com)  
Alexander G. Carver  
(404) 894-2936  
[acarver@ece.gatech.edu](mailto:acarver@ece.gatech.edu)

## Metro Club Meetings

### First Tuesday

Kennehoochee ARC  
Downtown Marietta  
Fire Station #1, Training Room  
112 Haynes Street  
Marietta, Georgia 30060  
Meeting begins at 7:00pm  
Talk In 146.880(-)

### First Thursday

Atlanta Radio Club  
Georgia Red Cross HQ  
1955 Monroe Dr., Atlanta  
Meeting is at 7:30pm  
Talk In -146.820(-)  
N.E. Georgia ARC  
Commerce Public Library  
Meeting is at 6:30pm  
Talk In - 147.225(+)  
PL 123.0

### Second Monday

Georgia Tech ARC  
Room W218  
Van Leer Electrical  
Engineering Bldg.  
Georgia Tech Campus  
Meeting at 7:00pm

### Second Thursday

Alford Memorial Radio Club  
Annistown Road Baptist Church  
Intersection of Annistown Rd &  
Spain Rd  
Stone Mountain  
Dinner at 6:00pm  
Meeting at 7:30pm  
Talk In - 146.760(-)

### Second Saturday

North GA QRP Club  
Board Room of The  
Shepherd Center at  
2020 Peachtree Rd, NW, Atlanta  
at 10:00 AM

### Third Tuesday

North Fulton Amateur Radio League  
Alpharetta Recreation & Parks Dept  
Alpharetta Adult Activity Center  
13450 Cogburn Road  
Alpharetta, GA 30004  
meeting at 7:30pm  
Talk In - 145.47(-)  
For more, go to: <http://www.gars.org/>



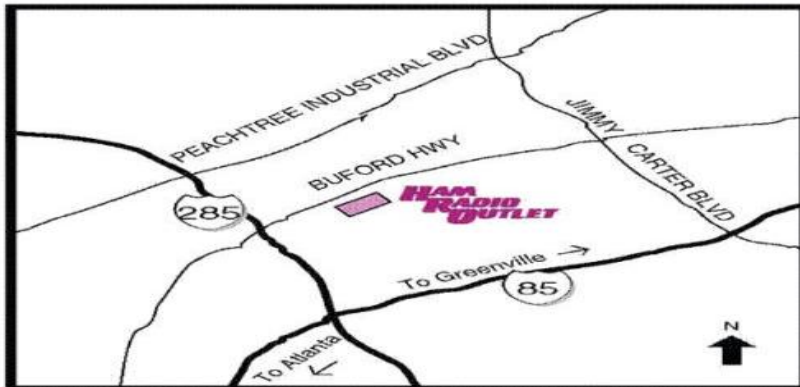
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# HAM RADIO READY!



1915 Oak Wind Ln  
Buford, GA 30519

Offered at \$222,900

GAMLS ID: 7299150  
Oak Wind  
2,603 sqft.  
4 Bedrooms  
2 Full Bathrooms  
1 Half Bathrooms

Hot buy in great school cluster! Home has 47 foot tall Rohn 25G guyed tower, radio room in the basement is wired with two 240 VAC circuits for amplifiers and has an underground buried conduit for cables to the base of the tower. Rotator, mast, antennas, etc. on the tower are negotiable. Lots of square footage on full basement. 2 story foyer/hardwood floors. Kitchen remodeled 4 years ago with new stainless steel appliances including convection oven, granite counters, stained cabinets, custom tile backsplash. Large breakfast area, dining room, separate living room, family room w/gas fireplace. 3 finished rooms in basement as well as huge workshop/storage area. Ham radio tower will be removed by seller prior to close. Great location near Kroger, 5 minutes to Mall of GA.

View this property at: <http://7299150.GeorgiaMLS.com>

Bill Gambrell  
COLDWELL BANKER RESIDENTIAL BR  
Phone: 678-458-3494  
Office: 770-623-1900  
E-mail: [bill.gambrell@coldwellbankeratlanta.com](mailto:bill.gambrell@coldwellbankeratlanta.com)



Information is provided courtesy of COLDWELL BANKER RESIDENTIAL BR, and is deemed reliable but not

GAMLS ID: 7299150

Oak Wind

2,603 sqft.

4 Bedrooms

2 Full Bathrooms

1 Half Bathrooms

Hot buy in great school cluster! Home has 47 foot tall Rohn 25G guyed tower; radio room in the basement is wired with two 240 VAC circuits for amplifiers and has an underground buried conduit for cables to the base of the tower. Rotator, mast, antennas, etc. on the tower are negotiable. Lots of square footage on full basement. 2 story foyer, hardwood floors. Kitchen remodeled 4 years ago with new stainless steel appliances including convection oven, granite counters, stained cabinets, custom tile backsplash. Large breakfast area, dining room, separate living room, family room w/gas fireplace. 3 finished rooms in basement as well as huge workshop/storage area. Great location near Kroger, 5 minutes to Mall of GA.

## For more information, contact:

James A Worsham, Jr

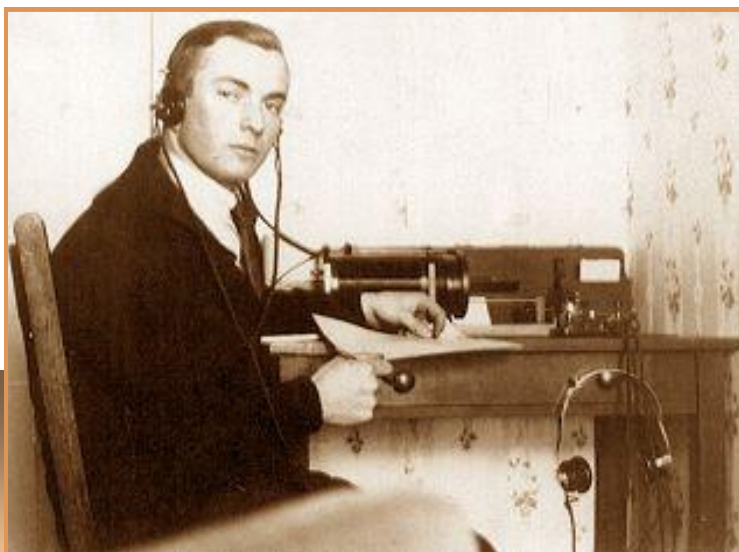
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## The American Amateur, Edmund B. Durham, 3VM, in 1914.

This skilled OM who built two receivers, emitted in CW with 30 W using a 12 m high, 22.5 m long "T" antenna tuned on 180 meters. Document [Spark Museum](#).